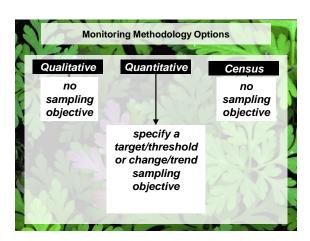
4: Setting Sampling Objectives

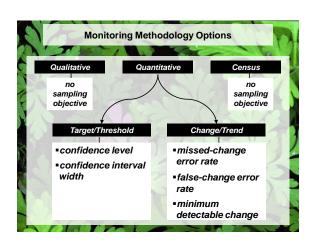
- 1. Identify which types of *management* objectives require complementary *sampling* objectives.
- 2. Identify the components needed for Change/Trend and Target/Threshold sampling objectives.
- 3. After completing exercise 3c, write complementary sampling objectives for two management objectives.



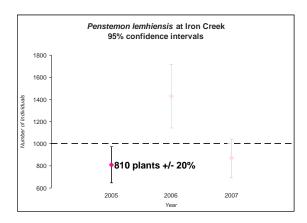


5	Monitoring Methodology Options
M le	Management Objective: laintain at least 25 individuals of <i>Penstemon omhiensis</i> at the study site during the next 10 years. Census, no sampling objective
M at	Management Objective: laintain at least 5000 individuals of <i>P. lemhiensis</i> the study site during the next 10 years. uantitative sampling, t/t sampling objective

Monitoring Methodology Options 3. Management Objective: Maintain the knapweed-free condition of the P. lemhiensis population at the study site during the next 10 years. Qualitative assessment, no sampling objective 4. Management Objective: Allow for no more than a 10% increase in cover of Bromus tectorum at the study site during the next 10 years. Quantitative sampling, c/t sampling objective



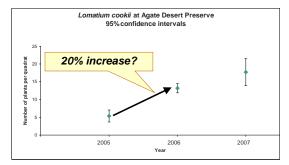






Change/Trend 1. Power (1 - missed-change error). How certain do you want to be that, if a particular change does occur, you will be able to detect it? 2. False-change error. How much risk do you want to take of mistakenly detecting a change when none occurred? 3. Minimum detectable change. What is the smallest change that you want to be able to detect?

Change/trend Management Objectives



	Change/Trend
といて	Management Objective: I want to see a 20% increase in the density of Lomatium cookii at the Agate Desert Preserve between 2005 and 2010.
	Sampling Objective:
A	I want to be 90% certain of detecting a
X	20% increase in density, and I am willing to
-	accept a <u>10% chance</u> that I will make a false- / change error.
1	false-change min. detectable change
	power (1 - missed-change)